

Metallurgical Machinery

Siberian Federal University

Degree or qualification is awarded: **Bachelor's degree diploma**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price:

Programme webpage at the university website: <http://edu.sfu-kras.ru/programs>

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The aim of educational program is the development of students' personal qualities, as well as the formation of general cultural and professional competencies in accordance with the requirements of the educational standard in this area of training.

The tasks of the main educational program of Bachelor's degree are as follows:

- training in the basics of humanitarian, social, economic, mathematical and natural science knowledge,
- obtaining a higher vocational education that allows the graduate to successfully conduct research aimed at drawing up progressive technological processes using CAD software and using automation tools for processing and assembly operations; designing technological tools with calculations to substantiate their structures; designing special technological equipment with elements of mechanization and automation; NC programming, using CAD tools.
- formation of universal and subject-specific competences that promote social mobility and sustainability in the labor market.

The hallmark of a Bachelor's program is the training of graduates who are able to make calculations and design parts and assemblies of engineering structures in accordance with the technical tasks, using CAD tools.

Competitive advantages for a graduate: production and design activities in the field of metallurgical production and functioning of machines, drives, IT and computer equipment and tooling, mechatronics and robotic systems, automated control systems for production and technological processes of engineering, systems of design and technological preparation of production, new types of mechanical, physical and technical material processing, information space of business planning and management, programs of innovative activity in the conditions of modern engineering.

Employment: engineering management positions in metallurgical companies and other sectors of the national economy.

Specializations within this programme